Scientific Data Processing Solutions Department Meeting Dec 2014
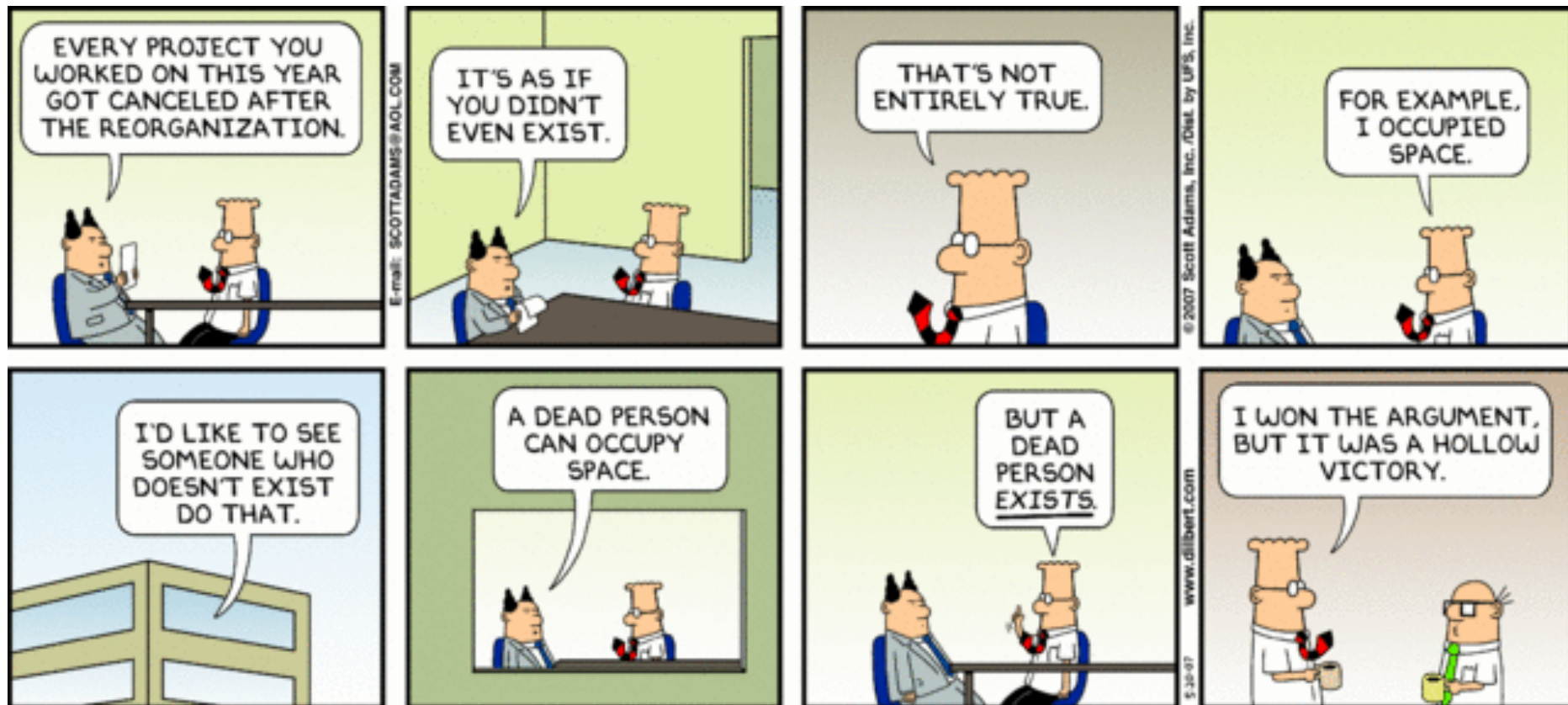
Overview

- On SCD reorg…?
- Safety
- SCD Reorg
- Personnel
- (Some) Initiatives this month.
- Other Dept. Issues

Dec 04, 2014

Gabriele Garzoglio
Scientific Computing Division, Fermilab

On the SCD Reorganization… ?

Safety

…besides ugly undead, please be aware of…

- Ice and snow that melt during the day can refreeze at night.
- If you arrive before normal business hours be aware that snow and ice removal may still be in progress. If possible, park in a plowed lot.
- When opening a car door after parking, check the ground before taking your first step. There may be a thin layer of hard-to-see ice.
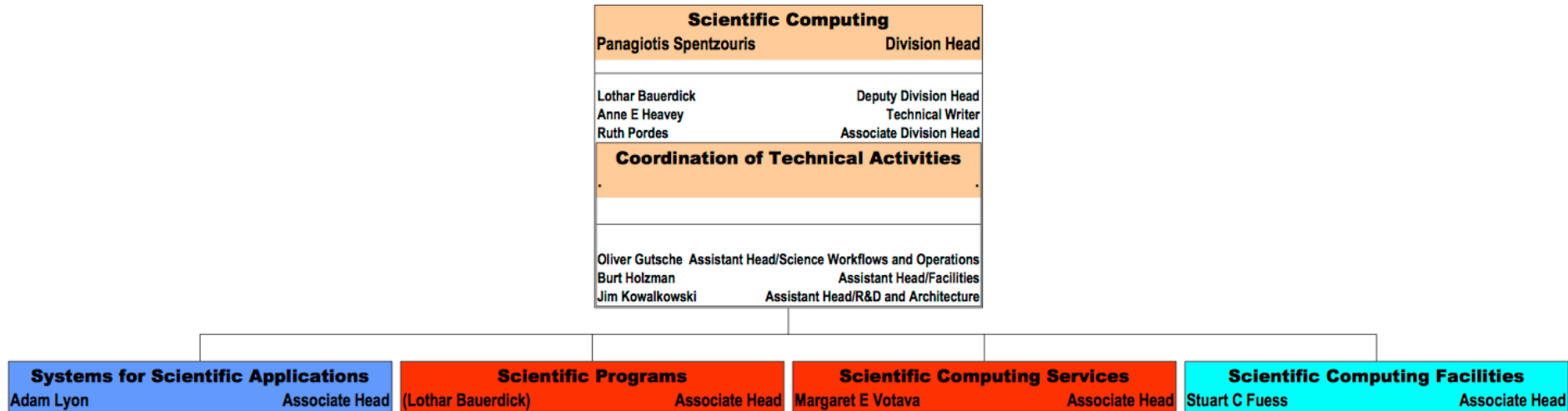- Be aware of the hazard of snow shoveling

What do we do now?

- The SCS quadrant faces the SCD scientific stakeholders
- Most of our services ops will transition to the SCF quadrant
- Tanya's dept. will work with the scientists
  - running production workflows for CMS and IF experiments
  - managing the FIFE project and interfacing with OSG
  - moving forward the experimental astrophysics program
  - worrying about the security of our operations
- Our dept. will provide the tools for the above developing and operating:
  - workload management systems
  - provisioning solutions for Cloud resources
  - data management systems
  - scientific database applications.

A new pan-division spirit

- The reorg removes duplication of functions by consolidation
- Many activities previously within a department now span quadrants org-lines
- **Communication and sharing priorities across depts. is ever more important**
- Coordinators will help coordinate cross-line management work
  - Facilities (Burt)
  - Science Workflow and Operations (Oli)
  - R&D and Architecture (Jim K.)

SCD high-level reorg slide

SCS reorg

Scientific Computing Services
Margaret E Votava — Associate Head

(Elizabeth Buckley-Geer) — Deputy
Katherine Lato — Tech Writer

Scientific Data Processing Solutions
Gabriele Garzoglio — Department Head

Workflow Management and Provisioning
Parag A Mhashilkar — Group Leader

Eric W Vaandering — Assistant Group Leader

Dennis D Box
Dirk Hufnagel
Hyun Woo Kim
Marco Mambelli
Seangchan Ryu

Data Management and Applications
Andrew Norman — Group Leader

Michael Diesburg
Pengfei Ding
Michael Gheith
Yuyi Guo
Robert A Illingworth
Arthur E Kreymer
Igor V Mandrichenko
Marc W Mengel
Vladimir Podstavkov
Stephen White
Margherita Vittone Wiersma

Scientific Distributed Computing Solutions
Tanya Levshina — Department Head

(Brian Yanny) — Deputy Department Head
Scientific Computing Information Security
Mine Altunay — Group Leader

(Dave Dykstra)
Kevin M Hill
(Jeny Teheran)

User Support for Distributed Computing
Joe Boyd — Group Leader

Michael H Kirby — Assistant Group Leader

Dave Dykstra
Ken Herner
Bodhitha Jayatilaka
(Marco Mambelli)
(Juan Morales)
Neha Sharma
Marko J Slyz
Vacant — Posted Opening R_000229

Experimental Astrophysics
Stephen Kent — Group Leader

Elizabeth Buckley-Geer — Assistant Group Leader

James Annis
(Ken Herner)
Eric Neilson Jr. — Project Leader
Richard Kron
Nikolay P Kuropatkin
(Paul Lebrun)
Huan Lin
Chris Stoughton
Douglas L Tucker
Brian P Yanny

Workflow Operations for Distributed Computing
David Mason — Group Leader

Jen Adelman-Mccarthy
John Artieda — Visitor
Paola Buitrago — Visitor
Luis Contreras — Visitor
Juan Morales — Visitor
Jeny Teheran — Visitor
Vacant — Posted Opening R_000351
Marek Zielinski — Visitor

Communication

- Share your IM / Keep your IM client on
- Schedule meetings through Exchange
- Feel free to use SCD-SCS-GCS@fnal.gov for intra-dept. email
- Monthly all hands dept. meetings
  - 1st Thu of the month at 1pm in WH2NW
  - Volunteer for a talk, to get us up to speed with your project
- My door is open: feel free to share your concerns with me
- I want to know you: if we haven't worked together before, let's schedule a 30 min meeting

During the transition…

- Everyone should be doing more or less the same work that they were doing before

- Functions will be transitioned on a project by project basis

- It is your responsibility to raise the flag if you see that we are dropping any function on the floor

Personnel

- Goodbyes to…
  - Claudio Pontili – Internship is over in mid Dec
- Position in User Support for Distributed Computing group (Joe's) is posted
  - Applications Developer & Systems Analyst II
  - "combine existing custom accounting and monitoring tools using modern web designs and graphics packages"

(Some) Dec Initiatives

- SCD reorg – start transition planning for some functions (e.g. JobSub ops)
- CRAB 3 will become the recommended release for most users
- JobSub release v1.0.4 implements all requests from CDF
- CMS Tier0 scale testing on CERN AI in preparation for Run2 operations
- Investigating use of xrootd caches in OSG for IF data handling
- Amazon grant submission for NOvA computing cycles

…note that the other activities are not less important…

Other Dept. Issues

- Jan dept. meeting is cancelled: Happy new year.
- Monthly dept. lunch:
  - A volunteer for the month sets the date and the place
  - If only some people can make it, it's OK (it's too hard to find a lunch day good for everyone)
  - Volunteers for Dec and for Jan?
- Talks today:
  - Eric on Crab
  - Parag on JobSub
- Volunteers for talks at the Feb meeting?